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Revised PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0661-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Attorney Docket No. 31229-232367

<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	10/582,557
	<b>Filing Date</b>	June 9, 2006
	<b>First Named Inventor</b>	Maher KALAJI
	<b>Group Art Unit</b>	Not Yet Assigned
	<b>Examiner Name</b>	Not Yet Assigned
	<b>Attorney Docket Number</b>	31229-232367

I hereby appoint:

☒ Practitioners at Customer Number

26694

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☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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VENABLE LLP

Address

P.O. Box 34385

Address

City

Washington

State

D.C.

ZIP

20043-9998

Country

U.S.A.

Telephone

(202) 344-4000

Fax

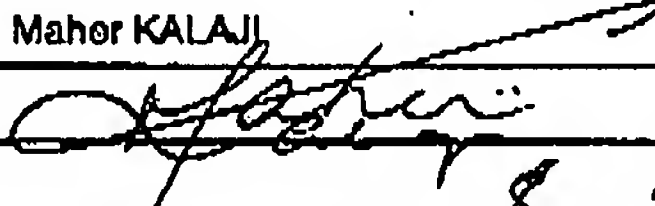
(202) 344-8300

I am the:

☒ Applicant.☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record:

<b>Name</b>	Maher KALAJI
<b>Signature</b>	
<b>Date</b>	8 May 2007

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PC Docs No. 776331

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**SIGNATURE of Applicant or Assignee of Record**

Name

Peter Anthony WILLIAMS

Signature

Date

2 May 07

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<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	10/582,557
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Please change the correspondence address for the above-identified application to:

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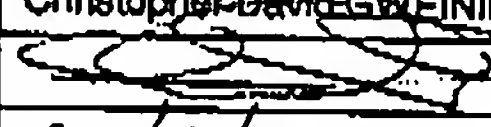
<input type="checkbox"/> Firm or Individual Name	VENABLE LLP				
Address	P.O. Box 34385				
Address					
City	Washington	State	D.C.	ZIP	20043-9998
Country	U.S.A.				
Telephone	(202) 344-4000	Fax	(202) 344-8900		

I am the:

☒ Applicant.☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record:

Name	Christopher David GWEININ
Signature	
Date	30/4/07

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

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PC Docs No. 776331

**VENABLE**  
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

**Maher KALAJI** May 8, 2007  
**Peter Anthony WILLIAMS** May 2, 2007  
**Christopher David GWENIN** April 30, 2007

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **Trwyn Limited**

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

**30 Dale Street  
Menai Bridge**

City: **Anglesley**

State: \_\_\_\_\_

Country: **WALES** Zip: **LL59 5BU**

Additional name(s) & address(es) attached? ☒ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): **Noted Above Next to Inventors' Names**

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

**10/582,557**

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: **Michael A. Sartori, Ph.D.  
VENABLE LLP**

Internal Address: Atty. Dkt.: **40616-241259**

Street Address: **P.O. Box 34385**

**00000077 220261 10582557**

**40.00 DA**

City: **Washington**

State: **DC** Zip: **20043-9998**

Phone Number: **(202) 344-4000**

Fax Number: **(202) 344-8300**

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved:

**1**

7. Total fee (37 CFR 1.21(h) & 3.41) \$ **40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number **22-0261**

Authorized User Name **Michael A. Sartori, Ph.D.**

9. Signature:

*Kevin B. Leppuy # 54, 242 for*  
Signature

**June 4, 2007**

Date

**Michael A. Sartori, Ph.D. - 41,289**

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

**8**

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT** by Maher KALAJI, residing at The Loft, Chauntry House, The Green Beaumaris, Anglesey LL58 8BT, United Kingdom, hereinafter referred to as Assignor;

**WHEREAS**, Assignor has invented certain new and useful improvements in **IMPROVEMENTS IN AND RELATING TO BIOSENSORS**, set forth in a Patent application for which an International Application was filed on November 17, 2004, PCT/GB2004/004817 designating the United States; and

**WHEREAS**, University of Wales, Bangor, having its principal place of business at Gwynned, Wales, LL57 2DG, United Kingdom, and Trwyn Limited, having its principal place of business at 30 Dale Street, Menai Bridge, Anglesey, Wales, LL59 5BU, United Kingdom, hereinafter referred to as Assignees, are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.+

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.



AND for the same consideration, Assignor hereby represents and warrants to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignor is a joint and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignees, their successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

## VENABLE LLP

All practitioners at Customer Number 26694

AND Assignor acknowledges an obligation of assignment of this invention to Assignees at the time the invention was made.

Executed on:

Date

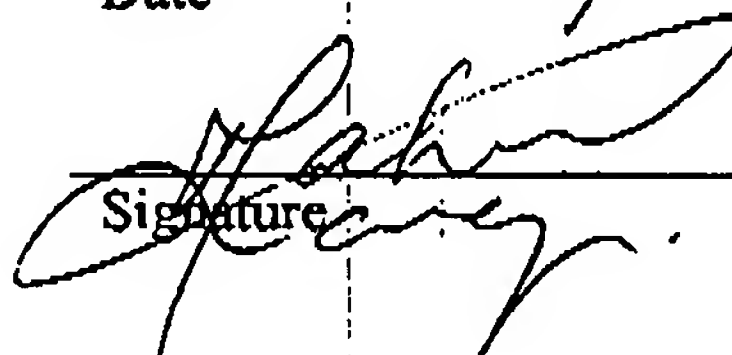
8 May 2007

Assignor:

Maher KALAJI

Assignor Name

Signature

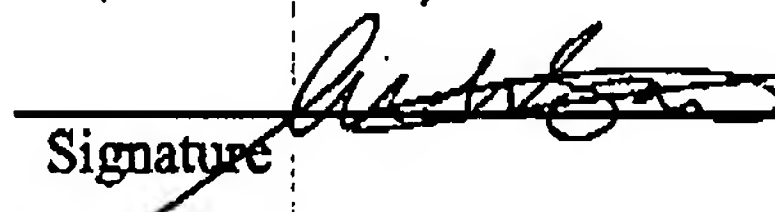


Witness:

M S BAIKO

Witness Name

Signature



SCHOOL OF CHEMISTRY

UNIV. OF WALES

AMMANOER, GWYNEDD, WALES UK

Witness Address

#775283

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT** by Peter Anthony WILLIAMS, residing at Pen y Bryn, Cadnant Road, Menai Bridge, Wales, LL59 5BU, United Kingdom, and Christopher David GWENIN, residing at 3 Glanffrwd, Penmynydd, Isle of Anglesey, LL61 6PH, United Kingdom, hereinafter referred to as Assignors;

**WHEREAS**, Assignors have invented certain new and useful improvements in IMPROVEMENTS IN AND RELATING TO BIOSENSORS, set forth in a Patent application for which an International Application was filed on November 17, 2004, PCT/GB2004/004817 designating the United States; and

**WHEREAS**, University of Wales, Bangor, having its principal place of business at Gwynned, Wales, LL57 2DG, United Kingdom, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.



AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are joint and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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VENABLE LLP

All practitioners at Customer Number 26694

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Executed on:

Assignor:

Peter Anthony WILLIAMS

Assignor Name

2 May 07  
Date

Signature

Witness:

Miss Maureen Tracey Parry

Witness Name

Signature

Witness Address

14 ISCOED  
BEAUMARU  
ANGLESEY LL58 8HH

Executed on:

30/4/07  
Date

Assignor:

Christopher David GWENIN

Assignor Name

Signature

Witness:

EFA Siobhan Jones

Witness Name

Signature

2 Con Gwion

Beaumar

Anglesey LL58 8TD

Witness Address